

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ar: Artesian-----	80	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.00 0.76	Poor Too Clayey Depth to saturated zone Salinity	0.00 0.76 0.88
BeB: Beadle-----	80	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
BeC: Beadle-----	75	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
BgB: Beadle-----	50	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
Jerauld-----	25	Poor Sodium content Low content of organic matter Too clayey Salinity Water erosion	0.00 0.12 0.32 0.88 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Salinity Too Clayey Depth to saturated zone	0.00 0.00 0.19 0.91

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
BmF: Betts-----	45	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope Carbonate content	0.00 0.92
Java-----	30	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Slope Low strength Shrink-swell	0.00 0.00 0.87	Poor Slope	0.00
Bn: Bon-----	80	Fair Low content of organic matter	0.50	Fair Low strength	0.22	Good	
Bo: Bon-----	80	Good		Fair Low strength	0.22	Good	
Bu: Bullcreek-----	82	Poor Too clayey Sodium content Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.88 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.00 0.00
Ca: Carter-----	75	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.22 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Cp: Carter-----	60	Poor Too clayey Low content of organic matter Sodium content Water erosion	0.00 0.12 0.22 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Promise-----	30	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Cr: Cavo-----	60	Poor Sodium content Low content of organic matter Too clayey Salinity Water erosion	0.00 0.12 0.59 0.88 0.99	Poor Low strength Shrink-swell	0.00 0.76	Poor Salinity Sodium content Too Clayey	0.00 0.22 0.35
Jerauld-----	20	Poor Sodium content Low content of organic matter Too clayey Salinity Water erosion	0.00 0.12 0.32 0.88 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Salinity Too Clayey Depth to saturated zone	0.00 0.00 0.19 0.91
CsD: Chantier-----	60	Poor Too clayey Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.88 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Salinity Slope	0.00 0.00 0.00 0.96

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Sansarc-----	20	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.96
DaA: Degrey-----	35	Poor Sodium content Too clayey Low content of organic matter Salinity Water erosion	0.00 0.00 0.50 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.26	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Eakin-----	25	Fair Water erosion Too clayey	0.90 0.95	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.79
Jerauld-----	15	Poor Sodium content Low content of organic matter Too clayey Salinity Water erosion	0.00 0.12 0.32 0.88 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.91	Poor Sodium content Salinity Too Clayey Depth to saturated zone	0.00 0.00 0.19 0.91
DeD: Delmont-----	80	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.70	Good		Poor Too sandy Rock fragments Hard to reclaim Slope	0.00 0.00 0.32 0.63

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Do: Dorna-----	80	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.68	Good	
Du: Durrstein-----	80	Poor Sodium content Too clayey Low content of organic matter Salinity Water erosion	0.00 0.00 0.12 0.88 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Sodium content Depth to saturated zone Too Clayey Salinity	0.00 0.00 0.00 0.00
EaA: Eakin-----	45	Fair Water erosion Too clayey	0.90 0.95	Poor Low strength Shrink-swell	0.00 0.87	Fair Too Clayey	0.79
Degrey-----	30	Poor Sodium content Too clayey Low content of organic matter Salinity Water erosion	0.00 0.00 0.50 0.88 0.90	Poor Low strength Shrink-swell	0.00 0.26	Poor Too Clayey Sodium content Salinity	0.00 0.22 0.88
Eg: Egas-----	80	Poor Too clayey Low content of organic matter Salinity Water erosion	0.00 0.50 0.50 0.99	Poor Low strength Depth to saturated zone Shrink-swell	0.00 0.00 0.12	Poor Salinity Depth to saturated zone Too Clayey	0.00 0.00 0.00

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ew: Egas Variant-----	85	Poor Too clayey  Low content of organic matter Carbonate content Salinity Water erosion	0.00  0.12 0.68 0.88 0.99	Poor Depth to saturated zone Low strength  Shrink-swell	0.00  0.00  0.12	Poor Depth to saturated zone Too Clayey  Salinity Carbonate content	0.00  0.00  0.00 0.92
Fa: Farmsworth-----	75	Poor Too clayey Sodium content Salinity  Water erosion	0.00 0.00 0.88  0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.76	Poor Too Clayey Sodium content Salinity  Depth to saturated zone	0.00 0.00 0.00  0.76
GeE: Gettys-----	75	Poor Too clayey Low content of organic matter Carbonate content	0.00 0.50  0.97	Poor Low strength Shrink-swell  Slope	0.00 0.12  0.92	Poor Too Clayey Slope  Carbonate content	0.00 0.00  0.97
GeF: Gettys-----	75	Poor Too clayey Low content of organic matter Carbonate content	0.00 0.50  0.97	Poor Slope Low strength  Shrink-swell	0.00 0.00  0.12	Poor Slope Too Clayey  Carbonate content	0.00 0.00  0.97
GhA: Glenham-----	75	Fair Low content of organic matter Water erosion	0.12  0.99	Poor Low strength  Shrink-swell	0.00  0.87	Good	

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
GkB: Glenham-----	55	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Java-----	20	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
HgB: Highmore-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Java-----	25	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
HgC: Highmore-----	40	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.87	Good	
Java-----	35	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
HmA: Highmore-----	50	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength	0.00	Good	
Mobridge-----	25	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.91	Good	

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
HoB: Hurley-----	75	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58
HsA: Hurley-----	60	Poor Too clayey Sodium content Droughty Depth to bedrock Salinity Water erosion	0.00 0.00 0.00 0.58 0.88 0.99	Poor Depth to bedrock Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Sodium content Salinity Depth to bedrock	0.00 0.00 0.00 0.58
Slickspots, Dry----	20	Not rated		Not rated		Not rated	
JbE: Java-----	50	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Poor Slope	0.00
Betts-----	30	Fair Low content of organic matter Carbonate content Water erosion	0.12 0.92 0.99	Poor Low strength Shrink-swell	0.00 0.87	Poor Slope Carbonate content	0.00 0.92
JgC: Java-----	40	Fair Low content of organic matter Water erosion	0.50 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	
Glenham-----	35	Fair Low content of organic matter Water erosion	0.12 0.99	Poor Low strength Shrink-swell	0.00 0.87	Good	



Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Ko: Kolls-----	95	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength  Depth to saturated zone	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
La: Lane-----	75	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
Lf: Lane-----	45	Fair Too clayey Low content of organic matter Water erosion	0.32 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.12	Fair Too Clayey	0.21
Farmsworth-----	30	Poor Too clayey Sodium content Salinity  Water erosion	0.00 0.00 0.88 0.99	Poor Low strength Shrink-swell Depth to saturated zone	0.00 0.12 0.76	Poor Too Clayey Sodium content Salinity  Depth to saturated zone	0.00 0.00 0.00 0.76
LoA: Lowry-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Good	
LoB: Lowry-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Good	

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
LvA: Lowry Variant-----	100	Fair Low content of organic matter	0.12	Good		Good	
LvB: Lowry Variant-----	100	Fair Low content of organic matter	0.12	Good		Good	
M-W: Miscellaneous Water-	100	Not rated		Not rated		Not rated	
MaB: Mcclure-----	75	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.00	Poor Too Clayey	0.00
MaC: Mcclure-----	80	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Low strength Shrink-swell	0.00 0.00	Poor Too Clayey	0.00
MbA: Millboro-----	99	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
MbB: Millboro-----	100	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
MbC: Millboro-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.12 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
MoA: Mobridge-----	75	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.91	Good	
Mp: Mobridge-----	60	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Low strength Shrink-swell	0.00 0.91	Good	
Plankinton-----	25	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Too Clayey	0.00 0.00
Oa: Oahe-----	80	Fair Low content of organic matter Too sandy	0.12 0.19	Good		Poor Rock fragments Hard to reclaim Too sandy	0.00 0.02 0.19
OdB: Oahe-----	45	Fair Low content of organic matter Too sandy	0.12 0.19	Good		Poor Rock fragments Hard to reclaim Too sandy	0.00 0.02 0.19

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Delmont-----	35	Poor Too sandy Low content of organic matter Droughty	0.00 0.12 0.70	Good		Poor Too sandy Rock fragments Hard to reclaim	0.00 0.00 0.32
OeF: Okaton-----	75	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Cobble content Water erosion	0.00 0.00 0.00 0.12 0.46 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope Cobble content	0.00 0.00 0.00 0.00 0.99	Poor Slope Too Clayey Rock fragments Depth to bedrock	0.00 0.00 0.00 0.00
OkB: Oko-----	75	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Low strength Shrink-swell	0.00 0.00	Poor Too Clayey	0.00
OmB: Opal-----	90	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.04 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock	0.00 0.58
OmC: Opal-----	75	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.04 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock Slope	0.00 0.58 0.96
OpB: Opal-----	90	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.02 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength	0.00 0.00 0.00	Poor Too Clayey Depth to bedrock	0.00 0.58

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Or: Orthents, Loamy-----	75	Fair Low content of organic matter Water erosion	0.12 0.99	Fair Low strength Slope Shrink-swell	0.22 0.50 0.87	Poor Slope	0.00
OtA: Orton-----	80	Fair Low content of organic matter	0.50	Good		Poor Hard to reclaim	0.00
OtB: Orton-----	80	Fair Low content of organic matter	0.50	Good		Poor Hard to reclaim	0.00
OwE: Orton-----	45	Fair Low content of organic matter	0.50	Fair Slope	0.92	Poor Hard to reclaim Slope	0.00 0.00
Schamber-----	35	Poor Too sandy Droughty Low content of organic matter	0.00 0.04 0.50	Fair Slope	0.50	Poor Slope Too sandy Hard to reclaim Rock fragments	0.00 0.00 0.00 0.00
Pa: Plankinton-----	90	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.12	Poor Depth to saturated zone Too Clayey	0.00 0.00
PrA: Promise-----	75	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
PrB: Promise-----	85	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
ReA: Ree-----	75	Fair Low content of organic matter	0.12	Good		Good	
ReB: Ree-----	75	Fair Low content of organic matter	0.12	Good		Good	
RsF: Rock Outcrop, Soft--	45	Not rated		Not rated		Not rated	
Sansarc-----	40	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
SaE: Sansarc-----	45	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.98	Poor Too Clayey Depth to bedrock Slope	0.00 0.00 0.00
Opal-----	30	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.04 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.98	Poor Too Clayey Slope Depth to bedrock	0.00 0.00 0.58

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SaF: Sansarc-----	55	Poor Too clayey Droughty Depth to bedrock Low content of organic matter Water erosion	0.00 0.00 0.00 0.60 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.00	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.00
Opal-----	20	Poor Too clayey Droughty Depth to bedrock Water erosion	0.00 0.04 0.58 0.99	Poor Depth to bedrock Shrink-swell Low strength Slope	0.00 0.00 0.00 0.08	Poor Slope Too Clayey Depth to bedrock	0.00 0.00 0.58
ScE: Schamber-----	75	Poor Too sandy Droughty Low content of organic matter	0.00 0.04 0.50	Fair Slope	0.50	Poor Too sandy Hard to reclaim Rock fragments  Slope	0.00 0.00 0.00  0.00
SdF: Sully-----	90	Fair Low content of organic matter Water erosion	0.50 0.90	Poor Slope  Low strength	0.00 0.22	Poor Slope	0.00
SoC: Sully-----	60	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Good	
Lowry-----	30	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Good	

Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
SoE: Sully-----	55	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Slope	0.22 0.92	Poor Slope	0.00
Lowry-----	25	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength	0.22	Fair Slope	0.37
SsE: Sully-----	60	Fair Low content of organic matter Water erosion	0.50 0.90	Fair Low strength Slope	0.22 0.92	Poor Slope	0.00
Schamber-----	20	Poor Too sandy Droughty Low content of organic matter	0.00 0.04 0.50	Fair Slope	0.50	Poor Slope Too sandy Hard to reclaim Rock fragments	0.00 0.00 0.00 0.00
UaA: Uly-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
UaB: Uly-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	
UaC: Uly-----	85	Fair Low content of organic matter Water erosion	0.12 0.90	Poor Low strength	0.00	Good	



Section II  
Soil and Site Information

Construction Materials Table 2  
Brule and Buffalo Counties,  
South Dakota

(The information in this table indicates the dominant soil condition but does not eliminate the need for onsite investigation. The ratings given for the thickest layer are for the thickest layer above and excluding the bottom layer. The numbers in the value columns range from 0.00 to 0.99. The greater the value, the greater the likelihood that the bottom layer or thickest layer of the soil is a source of sand or gravel. See text for further explanation of ratings in this table.)

Map symbol and soil name	Pct. of map unit	Potential source of reclamation material		Potential source of roadfill		Potential source of topsoil	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Us: Orthents, Loamy-----	80	Not rated		Not rated		Not rated	
Orthents, Shaly-----	20	Not rated		Not rated		Not rated	
W: Water-----	100	Not rated		Not rated		Not rated	
Wd: Wendte-----	80	Poor Too clayey Low content of organic matter Water erosion	0.00 0.50 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
We: Wendte-----	75	Poor Too clayey Water erosion	0.00 0.99	Poor Shrink-swell Low strength	0.00 0.00	Poor Too Clayey	0.00
Wo: Worthing-----	99	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00
Wp: Worthing-----	100	Poor Too clayey Water erosion	0.00 0.99	Poor Depth to saturated zone Low strength Shrink-swell	0.00 0.00 0.00	Poor Too Clayey Depth to saturated zone	0.00 0.00

